



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Radford et. al.

**Serial No.:** 10/624,952

**Filed:** July 22, 2003

**For:** EXPANDABLE REAMER  
APPARATUS FOR ENLARGING  
BOREHOLES WHILE DRILLING AND  
METHODS OF USE

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 1684-5323.1US  
(484-28290-US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

September 17, 2003  
Date

Signature

Leah J. Barrow  
Name (Type/Print)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

<u>U.S. Patent Documents</u>		
<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
1,678,075	07/24/1928	Phipps
1,878,260	09/20/1932	Bunker
2,427,052	09/09/1947	Grant
2,834,578	05/13/1958	Carr
2,857,141	10/21/1958	Carpenter
3,051,255	08/28/1962	Deely
3,123,162	03/03/1964	Rowley
3,433,313	03/18/1969	Brown
3,556,233	01/19/1971	Gilreath et al.
4,565,252	01/21/1986	Campbell et al.
4,589,504	05/20/1986	Simpson
4,635,738	01/13/1987	Schillinger et al.
4,727,942	03/01/1988	Galle et al.
5,341,888	08/30/1994	Deschutter
5,368,114	11/29/1994	Tandberg et al.
5,402,856	04/04/1995	Warren et al.
5,495,899	03/05/1996	Pastusek et al.
5,497,842	03/12/1996	Pastusek et al.
5,582,258	12/10/1996	Tibbitts et al.
5,765,653	06/16/1998	Doster et al.
5,957,223	09/28/1999	Doster et al.
6,328,117 B1	12/11/2001	Berzas et al.
6,360,831 B1	03/26/2002	Åkesson et al.

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6,510,906 B1	01/28/2003	Richert et al.
2002/0166703 A1	11/14/2002	Presley et al.

Other Documents

The Andergauge Anderreamer and Security DBS NBR, A Differentiation Between Tools, Andergauge Drilling Systems, [www.andergauge.com](http://www.andergauge.com).  
Anderreamer Reliable Underreaming Below Casing, Andergauge Drilling Systems, [www.andergauge.com](http://www.andergauge.com).

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



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Date: September 17, 2003  
TNB/ps:ljb

Enclosures: Form PTO-1449  
Cited Documents

Document in ProLaw



Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>1684-5323.1US (484-28290-US)</b>	Application Number <b>10/624,952</b>
	Applicant <b>Radford t al.</b>	
	Filing Date <b>July 22, 2003</b>	Group Art Unit <b>Unkn wn</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1,678,075	07/24/1928	Phipps			
	1,878,260	09/20/1932	Bunker			
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	4,589,504	05/20/1986	Simpson			
	4,635,738	01/13/1987	Schillinger et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

		The Andergauge Anderreamer and Security DBS NBR, A Differentiation Between Tools, Andergauge Drilling Systems, <a href="http://www.ndergauge.com">www.ndergauge.com</a> .
		Anderreamer Reliable Underreaming Below Casing, Andergauge Drilling Systems, <a href="http://www.ndergauge.com">www.ndergauge.com</a> .

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



(2-92)

Sheet 2 of 2

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	5,495,899	03/05/1996	Pastusek et al.			
	5,497,842	03/12/1996	Pastusek et al.			
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	5,765,653	06/16/1998	Doster et al.			
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